MÉDIMABS
ANTIBODY SPECIALIST

Product datasheet

HRS (HGS) MOUSE MONOCLONAL ANTIBODY (19-5)

SKU: MM-0061-P

50 µg

OVERVIEW

Clonality:
Monoclonal

Host:
Mouse

Reactivity:
Human, Mouse, Rat, Monkey

Application:
WB, IHC, ICC, IP

Target:
Hrs (HGS)

Target background:
Hepatocyte growth factor-regulated tyrosine kinase substrate (HRS, also known as HGS) is a mammalian protein predominantly localized on early endosomes. Hrs interacts with many proteins involved in membrane trafficking, such as eps15, SNX1 SNAP-25. Hrs is implicated in early endosome fusion and may play a role in cargo sorting/trafficking to early and late endosome by recruiting clathrin. Hrs is also involved in intracellular signal transduction mediated by cytokines and growth factors.

Target alias:
Hepatocyte growth factor-regulated tyrosine kinase substrate, HGS, Protein pp110

Immunogen:
Full length hrs-2 fusion protein

Specificity:
The antibody recognizes an epitope is located between the VHS and coiled-coil domain of the HRS protein

Clone ID:
19-5

Isotype:
IgG2b

Preservative:
None

Format:
Lyophilized protein G purified in PBS pH7.4

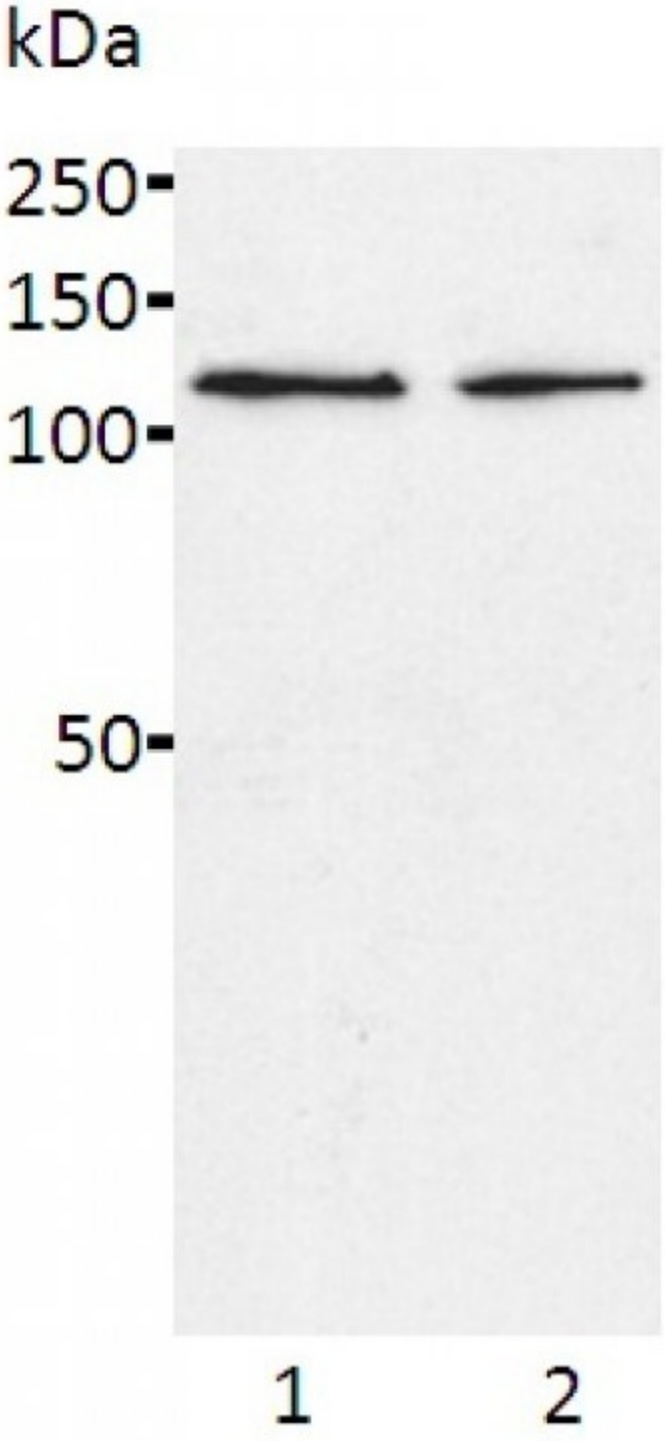
Recommend starting dilution:
If reconstituted with deionized water in 50 µL: IHC: 1:300, ICC: 1:200, WB: 1:1000. Optimal dilution has to be determined by the user.

Limitations:
Research Use Only

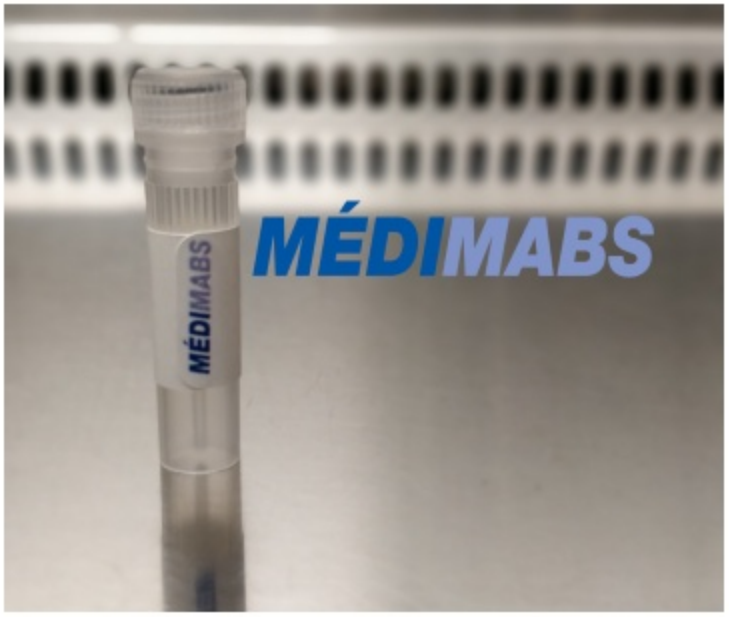
References:
1.-Rønning SB - CIN85 regulates ubiquitination and degradative endosomal sorting of the EGF receptor.
2.-Pullan L - The endosome-associated protein Hrs is hexameric and controls cargo sorting as a "master molecule".
3.-Tsujimoto S - The cellular and developmental expression of hrs-2 in rat.

Storage:
Lyophilized antibodies can be kept at 4°C for up to 3 months and should be kept at -20°C for long-term storage (2 years). To avoid freeze-thaw cycles, reconstituted antibodies should be aliquoted before freezing for long-term (1 year) storage (-80°C) or kept at 4°C for short-term usage (2 months). For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made with the assay buffer. After the maximum long-term storage period (2 years lyophilized or 1 year reconstituted) antibodies should be tested in your assay with a standard sample to verify if you have noticed any decrease in their efficacy.

Image:



Western blot analysis of HRS expression in brain (1) and HeLa cells lysate (2) using the anti- HRS antibody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